

## **REMARKS**

Applicant respectfully requests reconsideration of this application. Claims 25-31 and 40-52 are pending, with claims 46-51 being withdrawn. Claims 25, 27, and 40-42 have been amended. Claim 52 has been cancelled. No claims have been added.

Therefore, claims 25-31 and 40-45 are now presented for examination, with claims 46-51 being withdrawn.

### **Amendments to the Drawings**

Figure 34 has been amended to correct an omission. The specification describes element 3410, a controller, but the element number was inadvertently omitted from the figure.

A red-lined version of Figure 34 is presented herewith to illustrate the change that is being made to Figure 34. A formal drawing to replace Figure 34 is also filed herewith.

### **Claim Rejection under 35 U.S.C. §112**

The Examiner rejected claims 25-31, 40-45 and 52 under 35 U.S.C. §112, first paragraph, as failing to comply with the enablement requirement, indicating that the claims contain subject matter that was not described in the specification in a way that would enable one skilled in the art to make or use the invention.

Of the rejected claims, claims 25, 27, and 40-42 have been amended, and claim 52 has been cancelled.

Specifically, the Office Action indicates that the Applicant has failed to adequately teach how to make and use an output multiplexer or logic to multiplex to output data from memory blocks out of the memory cluster, and that it would require a person of ordinary skill in the art undue experimentation to develop such means.

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Without any concession regarding the rejection, the Applicant has modified the claims herein to address the rejection by modifying the terminology of the claims to more closely align with the terminology presented in the specification.

The specification refers to a “collar logic block”, element 2713, rather than the terminology of an output multiplexer. For example, Figure 34 illustrates collar logic block 2713, with the collar logic block including tristate bus drivers 3419A-3419B and input receivers 3418A-3418D. The collar logic block 2713 further includes a controller 3410. As indicated above, Figure 34 is amended herein to correct the omission of the element label for controller 3410.

It is submitted that the specification describes the operation of the collar logic block in compliance with the enablement requirement of 35 U.S.C. §112. In particular, the specification describes the selection of input and output signals, which is commonly referred to as multiplexing. This is accomplished by the controller generating the appropriate enable signals for input or output, with a separate enable signal being provided to any receiver or driver.

For example, as provided in the specification:

Referring now to Figure 34, a detailed block diagram of an exemplary embodiment of the collar logic block 2713 for each memory cluster 2710 is illustrated. The collar logic 2713 includes a controller 3410, a plurality of input receivers 3418 and a plurality of tristate bus drivers 3419. ... The input receivers 3418A-3418D are each respectively enabled by a separate input enable signal IENn respectively labeled IENA, IENB, IENC, and IEND in Figure 34. ... The tristate bus drivers 3419A-

3419D are each respectively enabled by a separate output enable signal OENn respectively labeled OENA, OENB, OENC, and OEND in Figure 34.

The controller generates the input enable signals IENn and the output enable signals OENn in response to the chip select signals CLiCSn 2716n and the read/write strobes CLiR/Wn 2715n for each memory block in the respective cluster. ...

(Specification, p 122, line 15 through p. 123, line 5)

It is submitted that amendments to the claims and the remarks presented here provide full and complete response to the rejection, and that the rejection should now be removed.

### **Conclusion**

Applicant respectfully submits that the rejections have been overcome by the amendment and remark, and that the claims as amended are now in condition for allowance. Accordingly, Applicant respectfully requests the rejections be withdrawn and the claims as amended be allowed

### **Invitation for a Telephone Interview**

The Examiner is requested to call the undersigned at (503) 439-8778 if there remains any issue with allowance of the case.

### **Request for an Extension of Time**

The Applicant respectfully petitions for an extension of time to respond to the outstanding Office Action pursuant to 37 C.F.R. § 1.136(a) should one be necessary. Please charge the fee for such extension to our Deposit Account No. 02-2666.

### **Charge our Deposit Account**

Please charge any shortage to our Deposit Account No. 02-2666.

Respectfully submitted,

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